trates of palladium, and lastly, the double oxalate of palladium and ammonium, are, in like manner, subjected to examination in a detailed series of experiments.

The second section of the paper relates to the compounds of platinum, and comprehends researches on the composition of the protochloride of platinum; on the action of ammonia on biniodide of platinum; and on the action of ammonia on the perchloride of platinum; in which the properties of these substances are detailed and the formulæ expressing their composition deduced.

There was also read, "Magnetic Observations made at Prague for September 1841." By C. Kreil. Communicated by S. Hunter Christie, Esq., M.A., Sec. R.S.

Pursuant to the Notice given from the Chair at the last meeting, a ballot was taken on the question proposed to the Society by the Council, that Mr. William John Bankes, F.R.S., be ejected from the Society: which was decided in the affirmative, and his name was accordingly erased from the Charter-book by the Vice-President in the Chair.

The Society then adjourned over the Easter Recess, to meet again on the 7th of April next.

April 7, 1842.

WILLIAM THOMAS BRANDE, Esq., V.P. in the Chair.

The following papers were read, viz.—

Meteorological Observations, taken in conformity with the Report drawn up by the Committee of Physics, including Meteorology, for the guidance of the Antarctic Expedition, as also for the fixed Magnetic Observatories, transmitted to the Society by the Lords Commissioners of the Admiralty and the Master-General of the Ordnance, and communicated by the Council, were read; viz.—

1. "Meteorological Observations taken on board H.M. Ship Erebus, for August and September 1841." By Capt. James Clark Ross, R.N., F.R.S., Commander of the Expedition. (*Forms* 1 and 2.)
2. "Meteorological Observations taken by the Niger Expedition, for May, June and July 1841."
3. "Meteorological Observations taken at the Magnetic Observatory, Ross-Bank, Van Diemen's Land, for November and December 1840, and January, February and March 1841." (*Forms* 1 and 2.)
4. "Meteorological Observations taken at the Magnetic Observatory, Cape of Good Hope, for October and November 1841." By F. Eardley Wilmot, Esq., Lieut. in the Royal Artillery. (*Forms* 1 and 2.)
5. "Meteorological Observations taken at the Magnetic Observatory, Toronto, for January, February, March, April and May 1841."